

## REMARKS

Applicants respectfully requests reconsideration of this application as amended.

Without concession as to the propriety of the outstanding rejections, the claims have generally been amended for clarity.

Regarding the 35 USC 112 rejection, Applicants respectfully submit that the word "lead" does not mean the electric wire, but rather the (calculated) data of the analyzing system of ECG. For example, ECG data from 10 electric wires are transformed into 12 leads simultaneous ECG waveforms. See for example the following equations:

$$I = L - R$$

$$II = F - R$$

$$III = F - L$$

$$aVR = R - (L + F)/2$$

$$aVL = L - (F + R)/2$$

$$aVF = F - (L + R)/2$$

$$V1 = C1 - (L + R + F)/3$$

$$V2 = C2 - (L + R + F)/3$$

$$V3 = C3 - (L + R + F)/3$$

$$V4 = C4 - (L + R + F)/3$$

$$V5 = C5 - (L + R + F)/3$$

$$V6 = C6 - (L + R + F)/3$$

where: I, II, III, aVR, aVL... V6 : lead names

and R, L, F, C1, C2... C6 : ECG data names

The ECG data comprises 12 leads, I, II, III, aVR, aVL, aVF, V1, V2, V3, V4, V5 and V6.

As shown in FIG. 5, 12 leads of received ECG data are divided into 6 groups. The first group comprises aVR, the second group comprises I and aVL, the third group comprises V1 and V2, the fourth group comprises V3 and V4, the fifth group comprises V5 and V6 and the sixth group comprises II, III and aVF.

These groups correspond to portions of the heart. The first group corresponds to the inner cavity of ventricle, the second group corresponds to front-side wall of the left ventricle/higher side wall, the third group corresponds to the right ventricle, the fourth group

corresponds to the front wall of left ventricle, the fifth group corresponds to the side wall of the left ventricle and the sixth group corresponds to the lower wall diaphragm surface.

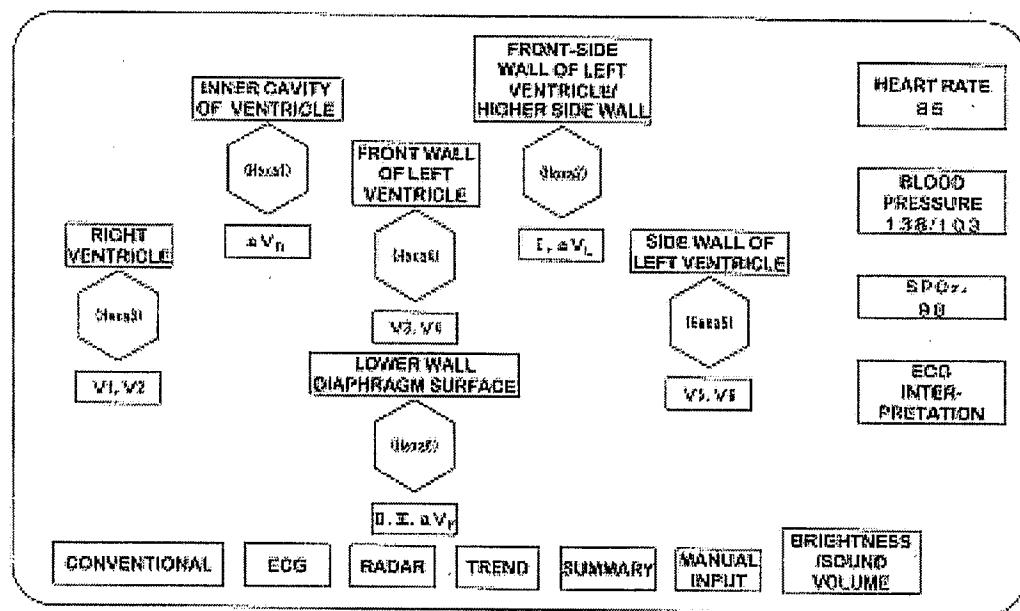
The feature value of ECG data is generated for each group's ECG data. The feature value data of each group is displayed in a chart.

At least based on the above, withdrawal of the outstanding rejection is respectfully requested.

Regarding the claim objections, the subject claims have been amended and the objections believed to have been overcome.

Regarding the art-based rejections, one exemplary aspect of the invention is directed toward the chart data corresponding to each physical location of the heart being generated based on the grouped ECG data and the radar chart data being displayed. The radar chart is displayed such that the radar chart displayed is correlated with the corresponding physical location of the heart (see Fig. 5 of the present application reproduced below).

**FIG.5**



Selvester discloses a system which interprets the ECG data and displays the interpreted features. However, Selvester at least fails to disclose that:

- 1) the chart data corresponding to each physical location of the heart is generated based on the grouped ECG data, and

2) the radar chart is displayed such that the radar chart displayed is correlated with the corresponding physical location of the heart.

Schuelke discloses the holding of the display of the feature value constant even when the feature value varies within a normal range. However, Schuelke at least fails to disclose that:

1) the chart data corresponding to each physical location of the heart is generated based on the grouped ECG data, and

2) the radar chart is displayed such that the radar chart displayed is correlated with the corresponding physical location of the heart.

In that the references, whether taken alone or in combination, fail to teach, suggest or disclose each and every claimed feature, the references cannot anticipate nor render obvious the claimed invention.

Withdrawal of the outstanding rejections and the issuance of a Notice of Allowance are respectfully requested.

Should the Examiner believe anything further is desirable in order to place the application in even better condition for allowance, the Examiner is encouraged to contact Applicants undersigned representative at the telephone number listed below.

The Commissioner is hereby authorized to charge to deposit account number 19-1970 any fees under 37 CFR § 1.16 and 1.17 that may be required by this paper and to credit any overpayment to that Account. If any extension of time is required in connection with the filing of this paper and has not been separately requested, such extension is hereby petitioned.

Respectfully submitted,

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Date: 11 Oct 11

By: \_\_\_\_\_

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